

ABSTRACT OF THE DISCLOSURE

The invention relates to a three-dimensional optical
memory medium capable of recording and reading a large quantity
of information therein and therefrom, and a process for producing
5 the same. A recording pulsed laser beam is applied to an
arbitrary position in a luminescent-ion-containing solid medium
as the solid medium is three-dimensionally moved relative to a
converging point of the pulsed laser beam.